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1502

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<213> Homo sapiens

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<213> Homo sapiens

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1504

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1505

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1507

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1508

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1649

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1651

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1652

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1654

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1655

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<211> 779
<212> DNA
<213> Homo sapiens

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<211> 5775
<212> DNA
<213> Homo sapiens

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1656

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1657

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<212> DNA
<213> Homo sapiens

<400> 1851

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1658

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<210> 1853
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<213> Homo sapiens

<400> 1853
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<212> DNA
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<220>
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1808

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<212> DNA
<213> Homo sapiens

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<210> 1865
<211> 423
<212> DNA
<213> Homo sapiens

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<210> 1866
<211> 2234
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<210> 1868
<211> 1212
<212> DNA
<213> Homo sapiens
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<210> 1869
<211> 4685
<212> DNA
<213> Homo sapiens

<400> 1869
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1820

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1821

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<211> 686
<212> DNA
<213> Homo sapiens

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<210> 1876
<211> 99
<212> DNA
<213> Homo sapiens

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<210> 1877
<211> 125
<212> DNA
<213> Homo sapiens

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<210> 1878
<211> 141
<212> DNA
<213> Homo sapiens

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<210> 1879
<211> 207
<212> DNA
<213> Homo sapiens

<400> 1879
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1822

```
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```
<210> 1880
<211> 164
<212> DNA
<213> Homo sapiens
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```
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<210> 1881
<211> 146
<212> DNA
<213> Homo sapiens
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<210> 1882
<211> 117
<212> DNA
<213> Homo sapiens
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<210> 1883
<211> 129
<212> DNA
<213> Homo sapiens
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<210> 1884
<211> 165
<212> DNA
<213> Homo sapiens
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<210> 1885
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<212> DNA
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<213> Homo sapiens

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<210> 1886
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<213> Homo sapiens

<400> 1886
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<211> 125
<212> DNA
<213> Homo sapiens

<400> 1887
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ccagg                                                                 125
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<210> 1888
<211> 134
<212> DNA
<213> Homo sapiens

<400> 1888
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<210> 1889
<211> 131
<212> DNA
<213> Homo sapiens

<400> 1889
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<213> Homo sapiens

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<211> 554
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (21)
<223> n equals a,t,g, or c

<220>
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<222> (31)
<223> n equals a,t,g, or c

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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1829

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1837

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1838

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<210> 1895
<211> 654
<212> DNA
<213> Homo sapiens

<400> 1895
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ttaaccactt attaaattta aactctgctc ctcctgaact accaaacatg ctggcacaga     180
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agtccctcca gctggagctt gggtgctgga ataacactgc aaggactctt gatttctgag     480
accaatctag tttgcttgtt tctaagaaat ttggattaga tattccagca caaagtgact     540
tttaaaaaat actcatttct attttggcca aaagtgtaaa attcaggcaa gttactcacc     600
agagttctgt ggagggatgc ggacagagct gaccaaggcc attctgctct tacc           654
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<210> 1896
<211> 511
<212> DNA
<213> Homo sapiens

<400> 1896
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gaagagcaga gaatggggga aaaggagatt cccccattga aaacctagat aatgagagag     180
gcggaaccaa aagcagactc agaacttcac tgagaataat gggggtgtag tagtcaggtg     240
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tttacatttc ttagggcatc atttttaagt gttggctttc agattaaata ctagttgaga     360
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<210> 1897
<211> 3018
<212> DNA
<213> Homo sapiens

<400> 1897
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ttcttccctt gtgcctcatg tatgggcagg aggaaaggtg ggagggggag tgggaatatg     180
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1839

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aggctattgc ttgcttcagc tgcagcctgc ctgtgctggc tgctggggtc gataggcttt      300
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<210> 1898
<211> 138
<212> DNA
<213> Homo sapiens

<400> 1898
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tacatatgta actaacctgc acattgtgca catgtaccct aaaacttaaa gtataataat      120
aataaataaa taaataaa                                                     138


<210> 1899
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<211> 299
<212> DNA
<213> Homo sapiens

<400> 1899
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aaacggggaa ctgtttctaa gtaaaaaata tacacataat tggttatctc tgggtgctgg     180
aggaatgggt gagttctttg tttttactca tccatatttt ctaaatctat aataagcaca     240
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<210> 1900
<211> 1052
<212> DNA
<213> Homo sapiens

<400> 1900
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cagaatgaga ttatgtgact acagcaattc.tgagttagct ttgattgctc tgcagtaaaa     180
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aagaccctgt ctccaaaaaa aaaaaaaaaa aa                                   1052


<210> 1901
<211> 431
<212> DNA
<213> Homo sapiens

<400> 1901
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cccaagctgt tttatgtagc ctgttgttag tatgtggaag ctgaaattct tacagagtta     180
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agattacaaa caattataga gttctagagt gcattataag ctcataggaa atggaacttt     360
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atgttgcggt a                                                          431


<210> 1902
<211> 865
<212> DNA
<213> Homo sapiens

<400> 1902
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1841

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<210> 1903
<211> 651
<212> DNA
<213> Homo sapiens

<400> 1903
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gacttttatc cttttgata gacagtttca tatatcttga actcaatatc tcagatctct    180
tctactgtat tactgaatag catacataca tagacaatgt tcgccattca ctagatattt    240
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tgtatattat atctgatctc taatgtagct tactggtttg cctttttaa aaccaaaatt    540
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<210> 1904
<211> 185
<212> DNA
<213> Homo sapiens

<400> 1904
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<211> 1532
<212> DNA
<213> Homo sapiens

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tctgattgac aaaggtattt tgatgggagt tctgtgaaga gtgatggtgg tatcttgata    420
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1842

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<213> Homo sapiens

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ccacaaaatg atcagatttt tcaccagaaa gcttgcaggt cagaaaattg gatgataaat    360
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<210> 1907
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1907
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caacttggat ggagctaaag gccattactc taagttaaat aactcaggaa tggaaaacca    240
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<210> 1908
<211> 3788
<212> DNA
<213> Homo sapiens

<400> 1908
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gcagagggcc cagcccccaag tacagtgtgg tcaccccaca gcccagtggg caccagggca    360
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<211> 128
<212> DNA
<213> Homo sapiens

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<210> 1910
<211> 3211
<212> DNA
<213> Homo sapiens

<400> 1910
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1845

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<210> 1911
<211> 2914
<212> DNA
<213> Homo sapiens

<400> 1911

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<211> 5257
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<213> Homo sapiens

<400> 1912

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<213> Homo sapiens

<400> 1913

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<211> 495
<212> DNA
<213> Homo sapiens

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1850

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1856

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1857

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1858

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<210> 1918
<211> 364
<212> DNA
<213> Homo sapiens

<400> 1918
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aaaaaccacc ctggcgccca atacgcaaac cgcctctccc cgcgcgttgg ccgattcatt      180
aatgcagctg gcacgacagg tttcccgact ggaaagcggg cagtgagcgc aacgcaatta      240
atgtgagtta gctcactcat taggcacccc aggctttaca ctttatgctt ccggctcgta      300
tgttgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gaccatgatt      360
acgc                                                                   364
```

<210> 1919
<211> 247
<212> DNA
<213> Homo sapiens

<400> 1919
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ccgcctctcc ccgcgcgttg gccgattcat taatgcagct ggcacgacag gtttcccgac      120
```

1859

```
tggaaagcgg gcagtgagcg caacgcaatt aatgtgagtt agctcactca ttaggcaccc      180
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tttcaca                                                                 247
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```
<210> 1920
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> n equals a,t,g, or c

<400> 1920
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gggtcgaacc agaagagcgc acgaggagct tccaagggga aaacgcctgg tatctttata     180
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caattaatgt gagttagctc actcattagg caccccaggc tttacacttt atgcttccgg     600
ctcgtatgtt gtgtggaatt gtgagcggat aacaatttca cacaggaaac agctatgacc     660
atgattacga attcgagctc ggtacc                                          686
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```
<210> 1921
<211> 364
<212> DNA
<213> Homo sapiens

<400> 1921
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atgtgagtta gctcactcat taggcacccc aggctttaca ctttatgctt ccggctcgta     300
tgttgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gaccatgatt     360
acgc                                                                   364
```

```
<210> 1922
<211> 288
<212> DNA
<213> Homo sapiens

<400> 1922
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tcaagctcta aatcgggggc tccctttagg gttccgattt agtgctttac ggcacctcga     180
ccccaaaaaa cttgatttgg gtgatggttc acgtagtggg ccatcgccct gatagacggt     240
ttttcgccct ttgacgttgg agtccacgtt ctttaatagt ggactctt                  288
```

```
<210> 1923
<211> 288
<212> DNA
```

<213> Homo sapiens

<400> 1923

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agcgcccgct cctttcgctt tcttcccttc ctttctcgcc acgttcgccg gctttccccg     120
tcaagctcta aatcgggggc tccctttagg gttccgattt agtgctttac ggcacctcga     180
ccccaaaaaa cttgatttgg gtgatggttc acgtagtggg ccatcgccct gatagacggt     240
ttttcgccct ttgacgttgg agtccacgtt ctttaatagt ggactctt                  288
```

<210> 1924
<211> 7173
<212> DNA
<213> Homo sapiens

<400> 1924

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gaatggaaaa atatactgaa ttaaagttct gatagttttt attttttact tattttattt     180
tatttttttt tgagacagag tcttactctg tcaacccagg ctggagtgca atggcacgat     240
cttggcccac tgcaacctcc gcttcctggg ttcaagcagt tctcctgcct cagcctccca     300
agtagctggg attacaggta cctgccacca cacctggcta attttttgta tttttagtag     360
agacaggggt ttcatcatgc tggccagggt ggtcttgaac tcctgacctt agttgatcca     420
cctgcctcgg cctcccaaag tgctgggatt ataggcgtga gccaccactc ccagccctga     480
ttgttttat taaagaaata taacctgttt accttgtcag taaatatgtc cccaaaataa     540
ttgaagataa cattttagc ttctaataag aaagcataga tagtggtgaa tagggacaca     600
attttaccat ataaggcata atattttgct gtcattcttc ttttaagacc attttagaag     660
tataagtatc ctttcatttg taaagggtga ggatggatac agaggaagga tggactgtgt     720
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1862

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<210> 1925
<211> 39339
<212> DNA
<213> Homo sapiens

<400> 1925
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1866

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1867

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1868

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1869

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1872

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1873

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1880

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<211> 140
<212> DNA
<213> Homo sapiens

<400> 1929
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1881

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<213> Homo sapiens

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<213> Homo sapiens
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1888

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<210> 1938
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<212> DNA
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<400> 1938

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1891

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1892

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1894

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<210> 1940
<211> 98
<212> DNA
<213> Homo sapiens

<400> 1940
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<210> 1941
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1941
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<210> 1942
<211> 2841
<212> DNA
<213> Homo sapiens

<400> 1942
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```
<210> 1943
<211> 758
<212> DNA
<213> Homo sapiens
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<400> 1943
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<210> 1944
<211> 625
<212> DNA
<213> Homo sapiens
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<400> 1944
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gaatgcgctt cattggctta cgctttgctt tctgtatgct ttctgtcctt ctgggtggtg      180
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gcttaaggaa gaaaaaatta taaaa                                            625
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<210> 1945
<211> 2144
<212> DNA
<213> Homo sapiens
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<400> 1945
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cagatcatcg aagctcttat tatttgcact gtggcagatt cacttgagtt cagaagccta      240
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tacagcgtga attctcatcc tgatagttgc agaaaatatt tcttttaaaa tggagattaa    480
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ggagatccat caatagacaa aaatagtaaa aaaaaaaaa aaaa                       2144
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```
<210> 1946
<211> 2144
<212> DNA
<213> Homo sapiens

<400> 1946
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<213> Homo sapiens

<400> 1950
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<211> 3658
<212> DNA
<213> Homo sapiens

<400> 1951

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<213> Homo sapiens

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1911

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<213> Homo sapiens

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<210> 1963
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<212> DNA
<213> Homo sapiens

<400> 1964
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1914

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<211> 2149
<212> DNA
<213> Homo sapiens

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1924

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1925

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<213> Homo sapiens

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<213> Homo sapiens

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1928

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<210> 1976
<211> 1487
<212> DNA
<213> Homo sapiens

<400> 1976

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1929

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<210> 1977
<211> 1487
<212> DNA
<213> Homo sapiens

<400> 1977
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<210> 1978
<211> 575
<212> DNA
<213> Homo sapiens

<400> 1978
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<210> 1979
<211> 577
<212> DNA
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<213> Homo sapiens

<400> 1979
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<210> 1980
<211> 859
<212> DNA
<213> Homo sapiens

<400> 1980
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<210> 1981
<211> 575
<212> DNA
<213> Homo sapiens

<400> 1981
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<210> 1982
<211> 582
<212> DNA
<213> Homo sapiens

<400> 1982

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<210> 1983
<211> 3207
<212> DNA
<213> Homo sapiens

<400> 1983

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<210> 1988

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<211> 863
<212> DNA
<213> Homo sapiens

<400> 1988
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<212> DNA
<213> Homo sapiens

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<210> 1991
<211> 863
<212> DNA
<213> Homo sapiens

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<211> 1292
<212> DNA
<213> Homo sapiens

<400> 1992
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1939

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<210> 1993
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<400> 1993
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<210> 1994
<211> 184
<212> DNA
<213> Homo sapiens

<400> 1994
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<210> 1995
<211> 7932
<212> DNA
<213> Homo sapiens

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1948

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1949

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1950

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1951

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1959

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1960

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1961

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1962

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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1978

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<211> 696
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 2019
<211> 945
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1729
<212> DNA
<213> Homo sapiens

<400> 2021
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1983

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ccagccttgg ggatgatttt gatggccatt tgggtcccaa tcagcatgtg atcctggacc     1680
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<213> Homo sapiens


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aataaaaaga                                                             130


<210> 2023
<211> 143
<212> DNA
<213> Homo sapiens


<400> 2023
aagaaaagaa aaaaaaaaaa aaaaaaaaaa agaaaaaaca aaaaaaaaaa aaaaaaaaaa       60
aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aagagaaaca aaaaaaaaaa aatagaaaaa      120
aaaaaaaaaa aacaaaaaag gag                                              143


<210> 2024
<211> 151
<212> DNA
<213> Homo sapiens


<400> 2024
aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacaa       60
aaaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaataaaa      120
ataaagaaat aaataaaaaa aaaaaaaaaa a                                     151


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<212> DNA
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aaaaaaagaa aaagggaaaa aaaaaaaaaa a                                      151


<210> 2026
<211> 118
<212> DNA
<213> Homo sapiens

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<210> 2027
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<212> DNA
<213> Homo sapiens

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aaaaaa                                                                126



<210> 2028
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<212> DNA
<213> Homo sapiens


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tctcagaatt cacaatcctc ctttccattt tttcctccct ccctcccttc ctcctctcgc     420
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tcccacttct acctgccaag tagctaggac tacagatgca gaccaccatg cccggctaat     720
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1986

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<212> DNA
<213> Homo sapiens

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ggcgttcgct accacaccca g                                               141


<210> 2030
<211> 1413
<212> DNA
<213> Homo sapiens

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tctgctatcc tgcgttcccc taactggcac cctcctgggc cagccagcag caggacatag     180
accaaggcca acctcctcca cacccagggc ctctgccttc taccctctgt ggagtctcca     240
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tgaataagtc atttaatcca tataaacctg caaggagtag gtgatattgt taaccccatt     480
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<212> DNA
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tctgctatcc tgcgttcccc taactggcac cctcctgggc cagccagcag caggacatag     180
accaaggcca acctcctcca cacccagggc ctctgccttc taccctctgt ggagtctcca     240
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tcaagaatga ggaaacaggg cgcccaggcg atgggctgtg gtgtgtcctg ggagcagcca    180
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